

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: May 17, 2002, 23:39:12 ; Search time 139.1 Seconds
(without alignments)
1393.277 Million cell updates/sec

Title: US-09-719-748-1_COPY_98_886

Perfect score: 789

Sequence: 1 tatgacatcgagagagagct.....ctctcagacacccctgagtc 789

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 38353 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_NA :
1: /cgn2_6/prodata/1/lna/5A.COMB.seq.*
2: /cgn2_6/prodata/1/lna/5B.COMB.seq.*
3: /cgn2_6/prodata/1/lna/6A.COMB.seq.*
4: /cgn2_6/prodata/1/lna/6B.COMB.seq.*
5: /cgn2_6/prodata/1/lna/PCTUS.COMB.seq.*
6: /cgn2_6/prodata/1/lna/backfile1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	494.6	62.7	1429	2	US-09-159-385-4
2	494.6	62.7	1429	2	US-09-186-277-4
3	493.6	62.6	2132	2	US-09-159-385-3
4	493.6	62.6	2132	2	US-09-186-277-3
5	398.2	50.5	4935	4	US-08-631-097-3
6	398.2	50.5	5886	4	US-08-810-712-9
7	193.6	24.5	480	3	US-09-221-235-12
8	193.6	24.5	480	3	US-09-221-928-12
9	193.6	24.5	480	3	US-09-221-527-12
10	193.6	24.5	480	3	US-09-221-236-12
11	193.6	24.5	480	3	US-09-221-416-12
12	193.6	24.5	480	4	US-09-221-245-12
13	193.6	24.5	480	4	US-09-163-115-12
14	193.6	24.5	480	4	US-09-221-528-12
15	193.6	24.5	480	4	US-09-593-553-12
16	193.6	24.5	480	4	US-09-221-237-12
17	193.6	24.5	1864	4	US-09-221-235-10
18	193.6	24.5	1864	3	US-09-221-828-10
19	193.6	24.5	1864	3	US-09-221-527-10
20	193.6	24.5	1864	3	US-09-221-336-10
21	193.6	24.5	1864	3	US-09-221-416-10
22	193.6	24.5	1864	4	US-09-221-245-10
23	193.6	24.5	1864	4	US-09-163-115-10
24	193.6	24.5	1864	4	US-09-221-528-10
25	193.6	24.5	1864	4	US-09-593-553-10
26	193.6	24.5	1864	4	US-09-221-237-10
27	146	18.5	1282	2	US-08-878-989-12

28	146	18.5	1282	4	US-09-272-796-12	Sequence 12, Appl
29	136.4	17.3	8906	2	US-08-826-267-1	Sequence 1, Appl
30	131.8	16.7	1417	1	US-08-713-828-2	Sequence 2, Appl
31	131.8	16.7	1417	2	US-08-919-627-2	Sequence 2, Appl
32	131.8	16.7	1417	2	US-09-096-245-2	Sequence 2, Appl
33	131.4	16.7	3471	2	US-08-715-568A-2	Sequence 2, Appl
34	107.6	13.6	425	1	US-08-700-575-44	Sequence 44, Appl
35	97.6	12.4	1776	3	US-08-655-352-10	Sequence 10, Appl
36	97.6	12.4	2514	3	US-08-655-352-1	Sequence 1, Appl
37	96.8	12.3	2374	4	US-09-347-801-3	Sequence 1, Appl
38	92.8	11.8	1400	1	US-08-464-164-1	Sequence 1, Appl
39	92.8	11.8	1400	1	US-08-338-057-1	Sequence 1, Appl
40	92.8	11.8	1400	2	US-08-668-416-1	Sequence 1, Appl
41	89	11.3	1349	1	US-07-951-715A-20	Sequence 20, Appl
42	89	11.3	1349	2	US-08-459-448A-20	Sequence 20, Appl
43	89	11.3	1349	3	US-08-459-535A-20	Sequence 20, Appl
44	89	11.3	1349	3	US-08-459-504B-20	Sequence 20, Appl
45	89	11.3	1349	3	US-08-459-444-20	Sequence 0, Appl

ALIGNMENTS

RESULT	1
US-09-159-385-4	
Sequence 4, Application US/09159385	
Patent No. 5958748	
GENERAL INFORMATION:	
APPLICANT: AKIRA, SHIZUO	
TITLE OF INVENTION: DNA CODING FOR SERINE/THREONINE KINASE	
FILE REFERENCE: PH-569	
CURRENT APPLICATION NUMBER: US/09/159,385	
EARLIER FILING DATE: 1998-09-23	
EARLIER APPLICATION NUMBER: JP97/261589	
NUMBER OF SEQ ID NOS: 8	
SOFTWARE: PatentIn Ver. 2.0	
SEQ ID NO 4	
LENGTH: 1429	
TYPE: DNA	
ORGANISM: Mus musculus	
FEATURE:	
NAME/KEY: CDS	
LOCATION: (10)..(1353)	
US-09-159-385-4	
Query Match	62.7%; Score 494.6; DB 2; Length 1429;
Best Local Similarity	76.7%; Pred. No. 9,8e-124;
Matches	605; Conservative 0; Mismatches 184; Indels 0; Gaps 0;
1	tatgacatcgagagagagcttgagagcttgccatctgtaagaatgccggag 60
46	tatgagatggagagagagcttgagagcttgccatctgtaagaatgccggag 105
61	aagagcaagggagcttgatgatgacgaagttcattcaagaagcgagcgagc 120
106	aaggcaagggagcttgatgatgacgaagttcattcaagaagcgagcgagc 165
121	cggcgagcttgagagcgagagagatcgagcgagagtgatcctcgagagtgct 180
166	cggcgagcttgagagcgagagagatcgagcgagagtgatcctcgagagtgct 225
181	caccacaatgtcatcagcttcagcagcttcatgagaaacgcagcgagtgatc 240
226	caccacaatcattacacactgtacgtgttcgagaaacgcagcgagtgatc 285
241	cttgagcagtgcttgagagagagctctcattcccgccagaaagagatcag 300
286	ctgagagctgtgtcgcgagcgagcttctcagacttcgcgcgagaaagagatc 345
301	gagagagagcgacacagcttcatgaagagatcctcgtatgggtgaactact 360

Db 346 gagagatgagccacgcaagcttccccaacaatccctagacggtgtccactccctgcatcc 405
OY 361 aaaaattgctcaactttgtatctcaagccgaagaacattgtgttgaagcaagaatatt 420
Db 406 aagcgatcgcacacattgacccctgaagccgagaacatcatgttctgctggacagca 465
OY 421 cccattccacacatcaagctgactgtactgtctgtctgctcagaataatagatgagtt 480
Db 466 gccagcccccgcattgaagctcaccatcgactttgtcatcgcgacagatcgagcttgagc 525
OY 481 gaattaaagaataatttttggagccggaattgtgtctccagaatttgyaactacag 540
Db 526 gagttcaagaacactcttggcacaccgagttgtctgcccccgagttcgyaactatgag 585
OY 541 ccccttggtctgagagctacatgttgagcatgagcggtataccactacatcccttaagt 600
Db 586 ccaactggtcttgagagctgacatgtagagcatgtgctatcaaccataccctctgagc 645
OY 601 ggaagcattcccttctctggagacacgaagcagcaaacactggtcaaatatcatcatgt 660
Db 646 ggaagcgtcccatctctggcgagaccaagcagagagcgtgacgaacatctcagcatgt 705
OY 661 agttacgaatttgatgaggaattcttcacgcatacgagcgagctggccaagatttatt 720
Db 706 aactctgactcttgatgaggaatacttcaagcagacacagcagactggtccaaagattcatt 765
OY 721 cgaagactctgtttaaagaacccgaaacggtcacatccaaaggctctcacaagc 780
Db 766 cgaagcgtctgtgtcaaaagaccccaagagagatgataccatgcacagagccctgagcat 825
OY 781 cccctgagtc 789
Db 826 tccctgagtc 834

RESULT 2
US-09-186-277-4
; Sequence 4, Application US/09186277
; Patent No. 6171841
; GENERAL INFORMATION:
; APPLICANT: AKIRA, SHIZUO
; APPLICANT: KAWAI, TARO
; TITLE OF INVENTION: DNA CODING FOR SERINE/THREONINE KINASE
; FILE REFERENCE: 081356/0128
; CURRENT APPLICATION NUMBER: US/09/186,277
; EARLIER FILING DATE: 1998-11-05
; EARLIER APPLICATION NUMBER: JP97/261589
; EARLIER FILING DATE: 1997-09-26
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 1429
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (10)..(1353)
US-09-186-277-4

Query Match 62.7%; Score 494.6; DB 4; Length 1429;
Best Local Similarity 76.7%; Pred. No. 9.8e-124;
Matches 605; Conservative 0; Mismatches 184; Indels 0; Gaps 0;
OY 1 tatgacatcgagagagagctgggagtgccagttgcatcgtaagaagtcgaggag 60
Db 46 tatgagatggagagagagctggcgccattgccaattgccaatgctgcagagcag 105
OY 61 aagagcagcgagcttgatgatcagccaagttcatcaagaagcgagcagccggcgagc 120
Db 106 aagggcagcgagcttgatgatcagccaagttcatcaagaagcgagcagccgagcagc 165

OY 121 cggcgcggtgtgagccggagagatcgagccggagatgagatctctcggcaggtgtctg 180
Db 166 cggcgcggtgtgagccggagagatcgagccggagatgagatctctcggcaggtgtctg 225
OY 181 caccacatgcatcacgctcgcacgactctcatgagacccgacagctgtgtgacac 240
Db 226 caccacacatcacacacatgcatgacggtgtctgagaaagacagatggtgtgtgac 285
OY 241 ctgagctagtgtctgagagagagctcttcgattctctgcccagaaagagatcagat 300
Db 286 ctgagctagtgtctgagagagagctcttcgattctctgcccagaaagagatgagc 345
OY 301 gaggagagagccacacatcttaagacagatccttgatggtgtggaattacttcacaca 360
Db 346 gaggagagagccacacatcttaagacagatccttgatggtgtggaattacttcacaca 405
OY 361 aagaataattgctcaatttgaatcacaagacgaagaacattatgttgaagaagaatt 420
Db 406 aagcgatcgacacacttgacacttgagcccgagacacatcatgtctgagacaagacga 465
OY 421 cccattccacacatcaagctgactgtgtgtctgctcgaagaataagatgagatt 480
Db 466 gccagcccccgcattgaagctcactgacttggcaltcgccacagatcgagctgagcagc 525
OY 481 gaattaaagaataatttttggagccggaattgtgtctccagaagaattgtgaactagag 540
Db 526 gagttcaagaacactcttggcacaaccgagattgtgcgccccgagatcgatgaactagag 585
OY 541 ccccttggtctgagagctgacatgttgagacatagcgctcatcaactacatctttaa 600
Db 586 ccaactggtcttgagagctgacatgttgagacatagcgctcatcaactacatctttaa 645
OY 601 ggaagcattcccttctctggagacacgaagcaggaacactgtgcaaatatcactcagtg 660
Db 646 ggaagcgtcccatctctggcgagaccaagcagagagcgtgacgaacatctcagcatgt 705
OY 661 agttacgaatttgatgaggaattcttcacgcatacgagcgagctggccaagatttatt 720
Db 706 aactctgactcttgatgaggaatacttcaagcagacacagcagactggtccaaagattcatt 765
OY 721 cgaagactctgtttaaagaacccgaaacggtcacatccaaaggctctcacaagc 780
Db 766 cgaagcgtctgtgtcaaaagaccccaagagagatgataccatgcacagagccctgagcat 825
OY 781 cccctgagtc 789
Db 826 tccctgagtc 834

RESULT 3
US-09-159-385-3
; Sequence 3, Application US/09159385
; Patent No. 5958748
; GENERAL INFORMATION:
; APPLICANT: AKIRA, SHIZUO
; APPLICANT: KAWAI, TARO
; TITLE OF INVENTION: DNA CODING FOR SERINE/THREONINE KINASE
; FILE REFERENCE: PH-569
; CURRENT APPLICATION NUMBER: US/09/159,385
; EARLIER FILING DATE: 1998-09-23
; EARLIER APPLICATION NUMBER: JP97/261589
; EARLIER FILING DATE: 1997-09-26
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 2132
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (94)..(1455)
US-09-159-385-3


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RESULT 5
US-08-631-097-3
; Sequence 3, Application US/08631097
; Patent No. 5968816
; GENERAL INFORMATION:
; APPLICANT: Kimchil, Adi
; TITLE OF INVENTION: Tumor Suppressor Genes,
; NUMBER OF INVENTION: Protein Encoded Thereby, and Use of Said Genes and Protein
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wigman Cohen, Leitner, & Myers, P.C.
; STREET: 900 17th Street, N.W., Suite 1000
; City: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20006
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/631,097
; FILING DATE: 12-Apr-96
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/11598
; FILING DATE: 12-Oct-94
; ATTORNEY/AGENT INFORMATION:
; NAME: Cohen, Herbert
; REGISTRATION NUMBER: 25,109
; REFERENCE/DOCKET NUMBER: 0744.057
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)463-7700
; TELEFAX: (202)473-6915
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4935 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Genomic DNA
; HYPOHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: No. 5968816 applicable
; ORIGINAL SOURCE:
; ORGANISM: homo sapiens
; STRAIN: not applicable
; INDIVIDUAL ISOLATE: not applicable
; DEVELOPMENTAL STAGE: not applicable
; HAPLOTYPE: not applicable
; TISSUE TYPE: blood
; CELL TYPE: Leucocyte
; ORGANELL: not applicable
; IMMEDIATE SOURCE:
; LIBRARY: not applicable
; CLONE: not applicable
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: not applicable
; MAP POSITION: not applicable
; UNITS: not applicable
; FEATURE:
; NAME/KEY: Seq. ID. NO.: 3 is
; NAME/KEY: the sequence in claim 1(iii) as Figure 8 of the specification
; LOCATION: not available
; IDENTIFICATION METHOD: experiment-
; OTHER INFORMATION: prevention of IFN-2
; OTHER INFORMATION: promoted cell death
; PUBLICATION INFORMATION: not available

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US-08-631-097-3
Query Match 50.5%; Score 398.2; DB 2; Length 4935;
Best Local Similarity 70.6%; Pred. No. 1,3e-97;
Matches 557; Conservative 0; Mismatches 208; Indels 24; Gaps 1;

QY 1 tatgacatcggagagagctgggagatgccagcttgcacatgtaaaagatccggag 60
DB 373 TAGACACACCGCGGAGAGAACTTGACAGTGTGCGGCTTGTGAACAATCCGCTAG 432
QY 61 aagaacacggggcttgatgatcagccaagttcatalcaaaagacggcagcgagc 120
DB 433 AAAAGTACCGGGCTTCAGATATCCCGCAAAATTCATCAAGAAAGAGGACATTAAGCCAGC 492
QY 121 cggcgggtgtgagcggagagagagagagagagagagagagagagagagagag 180
DB 493 CGCGGGGGTGTGAGCGCGGAGGACATCCAGCGGGAGGTCAACATCTGAAGAGATCCAG 552
QY 181 caccacatgtcatcagcgtcagcagcgtctatgagacccgacagcagctgtgacatc 240
DB 553 CACCCCAATGTATCATCACCCCTCAGAGGTATGAGAAACAGAGGAGCATCTATCCTGATC 612
QY 241 ctgagcagtgatcgtgagagagagagagagagagagagagagagagagagag 300
DB 613 TTGGAACTGTTGACAGGTGGCGGAGCTGTTGACTTCTTAACTGAAGAGATCTTAACT 672
QY 301 gaggagagagagcaccagcttcatcgaagacatccctgagtgaggagagagagag 360
DB 673 GAAGAGAGAGCACTGAATTTCTCAACAATTTCTTAATGGTGTACTACCTGCACCTCC 732
QY 361 aagaacatgtcacccttgcacatcgaagcagagagagagagagagagagagag 420
DB 733 CTTCAAATCCGCCCTTTGATCTTAACTGACCTGAACAATTAATGCTTTGATAGAAATGTC 792
QY 421 ccaatccacacatcaagctgactgactgtgctgctcagcgaatagagagagag 480
DB 793 CCCAACTCGGATCAAGATCATTTGACTT-----TGAATAAT 828
QY 481 gaatttaagaatttttttggagagccggaattgtgtgtccagaatctgtaactag 540
DB 829 GAATTTTAAACATTAATTTGGAGCTCCAGAGTTGTGCTCTGATGATCAACTATGA 888
QY 541 cccctgtgtcgtgagcgtcagatgtgagacatagagagagagagagagagag 600
DB 889 CCTCTGTGCTTGAAGCAGATATGTGAGTATCGGGGTAAATACCTATCTCTTAAGT 948
QY 601 gggagatcccttctcctgtgagagacgagagcaggaacatggaatatacatcag 660
DB 949 GGGGCTCCCATTTCTTGTGAGACACTAAGCAAGAAACGTAGCAAAATGTATCCGCTGTC 1008
QY 661 agttagcacttgatgagagagagagagagagagagagagagagagagagagag 720
DB 1009 AACTAGCAATTTGAGGATTAATATCTTCACTAATACAGTGCCCTGACCAAAATTTTCA 1068
QY 721 cggagagcttctggttaaaagagacccggaacggtcacaatccagagagcttcag 780
DB 1069 AGAAGACTTGTGTGCAAGATTCACAAAGAAAGAAATGACAAATTCAGATAGTTGACGAT 1128
QY 781 cccctgagc 789
DB 1129 CCTGTGATC 1137

RESULT 6
US-08-810-712-9
; Sequence 9, Application US/088107126
; Patent No. 6160106
; GENERAL INFORMATION:
; APPLICANT: Yeda Research and Development Co. LTD
; TITLE OF INVENTION: Tumor Suppressor Genes, Proteins Encoded Thereby and
; FILE REFERENCE: sequencelist

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; CURRENT APPLICATION NUMBER: US/08/810,712G
; CURRENT FILING DATE: 1997-03-03
; EARLIER APPLICATION NUMBER: PCT/US94/11598
; EARLIER FILING DATE: 1994-10-12
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 9
; LENGTH: 5886
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (337)..(4605)
US-08-810-712-9
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Query Match          50.5%; Score 398.2; DB 4; Length 5886;
Best Local Similarity 70.6%; Pred. No. 1.4e-97;
Matches 557; Conservative 0; Mismatches 208; Indels 24; Gaps 1;
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QY 1 tatgacatcgagagagagctgggagtgccagtttgcacatcgtgaagagtcgagag 60
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DB 373 tacgacacccgscgagagacttgcagtgacgttgcglttggaagaatgcgctgag 432
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QY 61 aagagcagcgagcttgagtgacgagcttcaagaagcgcgagagccggcgagc 120
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 433 aaaaagtcagccctccagcttcccgcaaatctcaagaagaagagactaaagtcagc 492
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 121 cggcgcggtgtgagcgcgagagagatcgagcggagagtgagcagccgcgagtgctg 180
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 493 cggcgcggtgtgagcgcgagagagatcgagcggagagtgagcagccgcgagagagatcag 552
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 181 caccacaatgtcatcagctgcagcagcgtctatgagagacgcgacgcgctggtgcacatc 240
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 553 caccacaatgtcatcagctgcagcagcgtctatgagagagagagagagagagagagagagag 612
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 241 ctgagagtgatgtctcgtgagagagagccttcgacttctgcccgaagagagagagagagagag 300
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 613 ttggaagctgttcgagtgagtgagagcttgcacttctgaacttgaagaagagagagagagagag 672
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 301 gaggagagagcagcagctcatatgaagcagagatccctgagtgagggtgaactacatcacaaca 360
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 673 gaagagagagcagcagctcatatgaagcagagatccctgagtgagggtgaactacatcacaaca 732
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 361 aagagaaatgtcacttgcacttgcacagccagaagaactatgtgtgtagagagaagaatattc 420
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    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 421 cccatccacacatcaagctgacttgacttgcttgctcagcaaatagagaatgagaggt 480
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DB 793 cccaaacctggtatcaagaatcatttgactt-----tggaat 828
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 481 gaatttaagaatacttttggagcgcggaatttgctgcacagaatcttgaactacagag 540
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 829 gaatttaagaatacttttggagcgcggaatttgctgcacagaatcttgaactacagag 888
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 541 ccccttggtctgagtgagtgacatgtgagagcatggcgtctcaactacatccttctaagt 600
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 889 ccccttggtctgagtgagtgacatgtgagagcatggcgtctcaactacatccttctaagt 948
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 601 gggagcatcccttccctggagagacagagaaacagcacttgagcaaatatcacatcagtg 660
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DB 949 ggggccccccatcttcttgagagacataagcaagaacggttagcaaatgtatccgctgtc 1008
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QY 661 agtcaagacttgcagtgagaatcttcaagcatalcagagcagagctgagcaagagacttatt 720
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 1009 aactacgaatttgagtgagatcttcaagtaactacagtgccctagcaagaattcata 1068
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 721 cggagagcttctgtagaagagacccggaagacgctccacatccaagagctctcagagcac 780
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 1069 agagagacttctgtagaagagatcccaagaagagatgacaaatccaagatgttgcagcat 1128
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 781 ccctgagatc 789
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DB 1129 cccgtgagtc 1137
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RESULT 7
US-09-221-235-12
; Sequence 12, Application US/09221235
; Patent No. 6043040
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: NMI-050
; CURRENT APPLICATION NUMBER: US/09/221,235
; EARLIER FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(480)
US-09-221-235-12
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Query Match          24.5%; Score 193.6; DB 3; Length 480;
Best Local Similarity 98.0%; Pred. No. 4.9e-43;
Matches 196; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
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QY 590 tcctcttaagtggagcatcccttctcctggagagacagagagagagagagagagagagagag 649
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DB 26 tcaagcttaagtggagcatcccttctcctggagagacagagagagagagagagagagagagag 85
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 650 tcaacatcagtgagtgagacttgcagagagatcttcaagcatalcagagagagagagagagag 709
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DB 86 tcaacatcagtgagtgagacttgcagagagatcttcaagcatalcagagagagagagagagag 145
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 710 agagacttattcggagagcttctggttaagagagacccggaagagagagagagagagagagag 769
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 146 agagacttattcggagagcttctggttaagagagacccggaagagagagagagagagagagag 205
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 770 ctctcagacacccctgagtc 789
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 206 ctctcagacacccctgagtc 225
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RESULT 8
US-09-221-928-12
; Sequence 12, Application US/09221928
; Patent No. 6121030
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: NMI-050
; CURRENT APPLICATION NUMBER: US/09/221,928
; EARLIER FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(480)
US-09-221-928-12
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	Query Match	24.5% Best Local Similarity 98.0% Matches 196; Conservative 0;	Score 193.6; Pred. No. 4.9e-43; Mismatches 4;	DB 3; Indels 0;	Length 480; Gaps 0;
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Db	26	tcagcttaagttagagcatccctctctctgagacacgaacgaggaacactgccaata	85		
QY	650	tcacctaagttagatgaacacttggatgttggaattcttaagcattacgagcgagctgcca	709		
Db	86	tcacgacgagtgagttacgacttggatgttggaattcttaagcattacgagcgagctgcca	145		
QY	710	aggacttatttcggaagctctggtttaaagagaccgcggaacgggtctcaatcccaagaag	769		
Db	146	aggacttatttcggaagctctggtttaaagagaccgcggaacgggtctcaatcccaagaag	205		
QY	770	ctcttcagacaccctctgatac	789		
Db	206	ctcttcagacaccctctgatac	225		

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RESULT      9
US-09-221-527-12
? Sequence 12, Application US/09221527
? Patent No. 6146832
? GENERAL INFORMATION:
? APPLICANT: Acton, Susan
? TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
? FILE REFERENCE: MNT-050
? CURRENT APPLICATION NUMBER: US/09/221,527
? CURRENT FILING DATE: 1998-12-28
? EARLIER APPLICATION NUMBER: 09/163,115
? NUMBER OF SEQ. ID NOS: 15
? SOFTWARE: PatentIn Ver. 2.0
? SEQ. ID NO 12
? LENGTH: 480
? TYPE: DNA
? ORGANISM: Homo sapiens
? FEATURE:
? NAME/KEY: CDS
? LOCATION: (1)..(480)
? US-09-221-527-12

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	Query Match	24.5% Best Local Similarity 98.0% Matches 196; Conservative 0;	Score 193.6; DB 3; Pred. No. 4.9e-43; Mismatches 4; Indels 0;	Length 480; Gaps 0;
QY	590	tcctcttaagtgagacatccctctctctgtagaacacgagacaggaaacactgagcaata	649	
Db	26	tcaggttaagtgagacatccctctctctgtagaacacgagacaggaaacactgagcaata	85	
QY	650	tcacatcaagtgagtgtaacgaattgattgagaaattcttcaagcatacgaagctgagcca	709	
Db	86	tcacagcagctgagtgtaacgaattgattgagaaattcttcaagcatacgaagctgagcca	145	
QY	710	aggacttattctcggaagctctggtgtaaaagagaccgcggaagagcttcacatccaaggg	769	
Db	146	aggacttattctcggaagctctggtgtaaaagagaccgcggaagagcttcacatccaaggg	205	
QY	770	ctctcagaacacccttgatc	789	
Db	206	ctctcagaacacccttgatc	225	

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RESULT 10
US-09-221-236-12
; Sequence 12, Application US/09221236
; Patent No 6146841
; GENERAL INFORMATION:
; APPLICANT: Accon, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR

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; FILE REFERENCE: MNI-050
; CURRENT APPLICATION NUMBER: US/09/221,236
; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; EARLIER FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
;
; LENGTH: 480
;
; TYPE: DNA
;
; ORGANISM: Homo sapiens
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; FEATURE:
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; NAME/KEY: CDS
;
; LOCATION: (1)..(480)
;
; US-09-221-236-12

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Query Match	24.5%	Score 193.6	DB 3	Length 480
Best Local Similarity	98.0%	Pred. No. 4.9e-43		
Matches 196	Conservative 0	Mismatches 4	Indels 0	Gaps 0
QY 550	tcctcttaagtgcagcaccctcttcctcgggagacacgaagcaggaaacatgcgcaata	649		
Db 26	tcagcttaagtgcagcaccctcttcctcgggagacacgaagcaggaaacatgcgcaata	85		
QY 650	tcacatcagtaagttaagactttgatgtgggaattcttcagcatatcgagcgaagtcgcca	709		
Db 86	tcacagcgcgtgagctaacacttcgatgggaattcttcagcatcgcgagcgtcgcca	145		
QY 710	aggaacttatctcggaagccttcgttlaaagacccggaacacggtctcaatccaagaag	769		
Db 146	aggaacttatctcggaagccttcgttlaaagacccggaacacggtctcaatccaagaag	205		
QY 770	ctctcagacacacctgatac	789		
Db 206	ctctcagacacacctgatac	225		

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RESULT 11
US-09-221-416-12
Sequence 12, Application US/09221416
Patent No. 6153417
GENERAL INFORMATION:
APPLICANT: Acton, Susan
TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
FILE REFERENCE: MNT-050
CURRENT APPLICATION NUMBER: US/09/221,416
EARLIER FILING DATE: 1998-12-28
EARLIER APPLICATION NUMBER: 09/163,115
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.0
Seq ID NO 12
LENGTH: 480
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(480)
US-09-221-416-12

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Query Match	24.5%	Score 193.6	DB 3	Length 480
Best Local Similarity	98.0%	Pred. No. 4	9e-43	
Matches 196	Conservative 0	Mismatches 4	Indels 0	Gaps 0
590	tcccttaagcggagcacccttcctctctggaagacagaagcggaaacctgccaata	649		
26	tcagcttaagcggagcacccttcctctctggaagacagaagcggaaacctgccaata	85		
650	tcacatcagtcagttacgaacttgaatagaatcttcacgcatcagaggaactgcca	709		
86	tcacagcagtcagttacgaacttgaatagaatcttcacgcatcagaggaactgcca	145		

```
QY 710 aggaacttatcggaaagcttcgtgttaagaagaccggaaacggtcacaatccaaggg 769
|||
DB 146 aggaacttatcggaaagcttcgtgttaagaagaccggaaacggtcacaatccaaggg 205

QY 770 ctctcagacacccctggtatc 789
|||
DB 206 ctctcagacacccctggtatc 225

RESULT 12
US-09-221-245-12
; Sequence 12, Application US/09221245
; Patent No. 6180358
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: NMI-050
; CURRENT APPLICATION NUMBER: US/09/221,245
; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: US 09/163,115
; EARLIER FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(480)
US-09-221-245-12
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Best Local Similarity 98.0%: Pred. No. 4.9e-43;
Matches 196; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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|||
DB 26 tcagcttaagtggagacatccccccttctcgtggagacagaaacaggaacactgtgcaata 85

QY 650 tcacatcagtgagttacgaacttgaatgaggaattcttcagccatcagcgagctggcca 709
|||
DB 86 tcacagcagtgagttacgaacttgaatgaggaattcttcagccatcagcgagctggcca 145

QY 710 aggaacttatcggaaagcttcgtgttaagaagaccggaaacggtcacaatccaaggg 769
|||
DB 146 aggaacttatcggaaagcttcgtgttaagaagaccggaaacggtcacaatccaaggg 205

QY 770 ctctcagacacccctggtatc 789
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DB 206 ctctcagacacccctggtatc 225
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RESULT 13
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; Sequence 12, Application US/09163115A
; Patent No. 6183962
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: NMI-050
; CURRENT APPLICATION NUMBER: US/09/163,115A
; CURRENT FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
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; LOCATION: (1)..(480)
US-09-163-115-12

Query Match 24.5%: Score 193.6; DB 4; Length 480;
Best Local Similarity 98.0%: Pred. No. 4.9e-43;
Matches 196; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 590 tcctccttaagtggagatccccccttctcgtggagacagaaacaggaacactgtgcaata 649
|||
DB 26 tcagcttaagtggagacatccccccttctcgtggagacagaaacaggaacactgtgcaata 85

QY 650 tcacatcagtgagttacgaacttgaatgaggaattcttcagccatcagcgagctggcca 709
|||
DB 86 tcacagcagtgagttacgaacttgaatgaggaattcttcagccatcagcgagctggcca 145

QY 710 aggaacttatcggaaagcttcgtgttaagaagaccggaaacggtcacaatccaaggg 769
|||
DB 146 aggaacttatcggaaagcttcgtgttaagaagaccggaaacggtcacaatccaaggg 205

QY 770 ctctcagacacccctggtatc 789
|||
DB 206 ctctcagacacccctggtatc 225
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RESULT 14
US-09-221-528-12
; Sequence 12, Application US/09221528
; Patent No. 6190874
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: NMI-050
; CURRENT APPLICATION NUMBER: US/09/221,528
; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; EARLIER FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(480)
US-09-221-528-12
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Query Match 24.5%: Score 193.6; DB 4; Length 480;
Best Local Similarity 98.0%: Pred. No. 4.9e-43;
Matches 196; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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|||
DB 26 tcagcttaagtggagacatccccccttctcgtggagacagaaacaggaacactgtgcaata 85

QY 650 tcacatcagtgagttacgaacttgaatgaggaattcttcagccatcagcgagctggcca 709
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DB 86 tcacagcagtgagttacgaacttgaatgaggaattcttcagccatcagcgagctggcca 145

QY 710 aggaacttatcggaaagcttcgtgttaagaagaccggaaacggtcacaatccaaggg 769
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DB 146 aggaacttatcggaaagcttcgtgttaagaagaccggaaacggtcacaatccaaggg 205

QY 770 ctctcagacacccctggtatc 789
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DB 206 ctctcagacacccctggtatc 225
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RESULT 15
US-09-593-553-12
; Sequence 12, Application US/09593553
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; Patent No. 6200770
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNI-050
; CURRENT APPLICATION NUMBER: US/09/593,553
; PRIOR APPLICATION NUMBER: 2000-06-14
; PRIOR FILING DATE: 09/16/03, 115
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(480)
US-09-593-553-12

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Query Match      24.5%; Score 193.6; DB 4; Length 480;
Best Local Similarity 98.0%; Pred. No. 4,9e-43;
Matches 196; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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    || |||||
Db 26 tcagcttaagtggagcattcccttctcctgaggagacagcagcaggaacactggcaata 85
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QY 650 tcacataagtgaattacgaatttgatgaggaattcttcagccataagcagcagctggcca 709
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Db 86 tcacagcagtgagttacgaatttgatgaggaattcttcagccagcagcagcagctggcca 145
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QY 710 aggaacttattcggaaagctcttggttaaaagagaccggaaacggtcacaatccaagag 769
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QY 770 ctctcagacaccccttgatc 789
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Db 206 ctctcagacaccccttgatc 225

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Copyright (c) 1993 - 2000 CompuGen Ltd.

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68: /cgn2_6/ptodata/1/pna/US6029_COMB.seq:*
69: /cgn2_6/ptodata/1/pna/US6030_COMB.seq:*
70: /cgn2_6/ptodata/1/pna/US6031_COMB.seq:*
71: /cgn2_6/ptodata/1/pna/US6032_COMB.seq:*
72: /cgn2_6/ptodata/1/pna/US6033_COMB.seq:*
73: /cgn2_6/ptodata/1/pna/US6034_COMB.seq:*
74: /cgn2_6/ptodata/1/pna/US6035_COMB.seq:*
75: /cgn2_6/ptodata/1/pna/US6036_COMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	789	100.0	1742	1 PCT-US99-13411-1	Sequence 1, Appl
2	789	100.0	1742	1 PCT-US99-13411-1	Sequence 1, Appl
3	789	100.0	1742	1 PCT-US99-13411-1	Sequence 1, Appl
4	785.8	99.4	2235	23 US-09-606-776-3799	Sequence 3799, Ap
5	784.2	99.4	1970	66 US-60-278-3329	Sequence 3329, Ap
6	784.2	99.4	2235	25 US-09-649-163-9895	Sequence 9895, Ap
7	784.2	99.4	2235	25 US-09-652-917-3775	Sequence 3775, Ap
8	784.2	99.4	2235	27 US-09-698-010-12335	Sequence 12335, A
9	784.2	99.4	2235	27 US-09-698-013-6041	Sequence 6041, Ap
10	760.2	96.3	1253	1 PCT-US01-08631-9265	Sequence 9265, Ap
11	737.2	93.4	1198	25 US-09-652-914-8371	Sequence 8371, Ap
12	653.2	82.8	830	30 US-09-760-446A-450	Sequence 450, App
13	637	80.7	1732	75 US-60-360-207-3361	Sequence 3361, Ap
14	628.8	79.7	825	30 US-09-760-443-677	Sequence 677, App
15	628.8	79.7	825	30 US-09-760-446A-1075	Sequence 1075, Ap
16	575.2	72.9	580	21 US-09-740-112A-62505	Sequence 62505, A
17	508	64.4	553	30 US-60-213-178-1077	Sequence 1077, Ap
18	495.2	62.8	1096	25 US-09-644-868-8422	Sequence 8422, Ap
19	495.2	62.8	1096	25 US-09-644-871-8496	Sequence 8496, Ap
20	495.2	62.8	1096	25 US-09-652-125A-8631	Sequence 8631, Ap
21	495.2	62.8	1096	25 US-09-652-126-7114	Sequence 7114, Ap
22	495.2	62.8	1096	25 US-09-652-913-9613	Sequence 9613, Ap
23	495.2	62.8	1096	25 US-09-652-916-8397	Sequence 8397, Ap
24	495.2	62.8	1096	25 US-09-652-917-2683	Sequence 2683, Ap
25	495.2	62.8	2079	23 US-09-611-526-2874	Sequence 2874, Ap
26	495.2	62.8	2201	66 US-60-378-258-4376	Sequence 4376, Ap
27	495.2	62.8	2231	56 US-60-172-373-4473	Sequence 4473, Ap
28	495.2	62.8	2384	23 US-09-606-176-3765	Sequence 3765, Ap
29	495.2	62.8	2387	25 US-09-652-125A-9484	Sequence 9484, Ap
30	495.2	62.8	2387	25 US-09-652-126-8978	Sequence 8978, Ap
31	495.2	62.8	2387	25 US-09-652-916-10429	Sequence 10429, A

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32 495.2 62.8 2387 25 US-09-652-917-3657 Sequence 3657, Ap
33 495.2 62.8 2387 25 US-09-652-918-8294 Sequence 8294, Ap
34 495.2 62.8 2387 27 US-09-699-997-8047 Sequence 9047, Ap
35 495.2 62.8 2387 27 US-09-699-999-6197 Sequence 6197, Ap
36 495.2 62.8 2387 28 US-09-710-281-4510 Sequence 4510, Ap
37 495.2 62.8 2387 29 US-09-721-589-5737 Sequence 5737, Ap
38 495.2 62.8 2387 29 US-09-726-211-1609 Sequence 1609, Ap
39 495.2 62.8 2387 29 US-09-726-806-4895 Sequence 4895, Ap
40 494.6 62.7 1410 75 US-60-360-207-9285 Sequence 9285, Ap
41 497.4 59.2 5526 75 US-60-360-207-898 Sequence 898, App
42 449.4 57.0 493 16 US-09-235-076-38039 Sequence 38039, A
43 449.4 57.0 493 16 US-09-277-227-16898 Sequence 16898, A
44 449.4 57.0 493 17 US-09-332-782-38039 Sequence 38039, A
45 449.4 57.0 493 29 US-09-737-223-38039 Sequence 38039, A
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ALIGNMENTS

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RESULT 1
PCT-US99-13411-1
; Sequence 1, Application PC/TUS9913411
; GENERAL INFORMATION:
; APPLICANT: KIMCHI, Adl
; APPLICANT: MCINNIS A., Patricia
; TITLE OF INVENTION: DAP-KINASE RELATED PROTEIN
; FILE REFERENCE: KIMCHI2A
; CURRENT APPLICATION NUMBER: PCT/US99/13411
; CURRENT FILING DATE: 1999-06-15
; EARLIER APPLICATION NUMBER: 60/089,294
; EARLIER FILING DATE: 1998-06-15
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1742
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (62)..(1141)
PCT-US99-13411-1
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Query Match 100.0%; Score 789; DB 1; Length 1742;
Best Local Similarity 100.0%; Pred. No. 1.8e-185;
Matches 789; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 tatgacatcgagagagagctggagctggcagcttgcacatcgtaagaagtgccggag 60
D 98 tatgacatcgagagagagctggagctggcagcttgcacatcgtaagaagtgccggag 157
QY 61 aagagcaggggcttgatgtagcagcaagttcaacaagaagcgagcgagcgagc 120
D 158 aagagcaggggcttgatgtagcagcaagttcaacaagaagcgagcgagcgagc 217
QY 121 cggcgcggttgagccggagagatcgagcgaggttgagcctccgcccaggtgctg 180
D 218 cggcgcggttgagccggagagatcgagcgaggttgagcctccgcccaggtgctg 277
QY 181 caccacaatgcatcacgctgcagacgtctatgagaacccgacgcgagctggtgcacatc 240
D 278 caccacaatgcatcacgctgcagacgtctatgagaacccgacgcgagctggtgcacatc 337
QY 241 ctgtagtagtctgtagagagagctcttcgattccctggccagaagagtaactagat 300
D 338 ctgtagtagtctgtagagagagctcttcgattccctggccagaagagtaactagat 397
QY 301 gagagagagccacacagcttcatctaagcagatctgagtgagtgagtaacttcaaca 360
D 398 gagagagagccacacagcttcatctaagcagatctgagtgagtgagtaacttcaaca 457
QY 361 aagaaatgctacttgcattgcataagcagaaacataatagtgttagacaagaatatt 420
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D 458 aagaatattgctcacttgcattgcataagcagaaacataatagtgttagacaagaatatt 517
QY 421 cccattcacacatcaagctgtagtacttggcttgcctcagaaatagaatagatgatt 480
D 518 cccattcacacatcaagctgtagtacttggcttgcctcagaaatagaatagatgatt 577
QY 481 gaattagaatatttttggagcgcggaattgttgcctcagaaatgtgaactacag 540
D 578 gaattagaatatttttggagcgcggaattgttgcctcagaaatgtgaactacag 637
QY 541 cccctgggttcggagggctgagatgtagagcagctagcgtcagcattcactaactccttaagt 600
D 638 cccctgggttcggagggctgagatgtagagcagctagcgtcagcattcactaactccttaagt 697
QY 601 ggagcattcccttctcttgtagacacgagcagaaacatcggaacatcatcatcagtg 660
D 698 ggagcattcccttctcttgtagacacgagcagaaacatcggaacatcatcatcagtg 757
QY 661 agtaagactttagtaggaatttctcagccatacgagcagctggccaagacttatt 720
D 758 agtaagactttagtaggaatttctcagccatacgagcagctggccaagacttatt 817
QY 721 cggagcttctgttaagagagaccggaaacggtctcaacatccaagaggtcttaagcac 780
D 818 cggagcttctgttaagagagaccggaaacggtctcaacatccaagaggtcttaagcac 877
QY 781 cccctgagtc 789
D 878 cccctgagtc 886
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RESULT 2
PCT-US99-13411-1
; Sequence 1, Application PC/TUS9913411A
; GENERAL INFORMATION:
; APPLICANT: KIMCHI, Adl
; APPLICANT: MCINNIS A., Patricia
; TITLE OF INVENTION: DAP-KINASE RELATED PROTEIN
; FILE REFERENCE: KIMCHI2A
; CURRENT APPLICATION NUMBER: PCT/US99/13411A
; CURRENT FILING DATE: 1999-06-15
; EARLIER APPLICATION NUMBER: 60/089,294
; EARLIER FILING DATE: 1998-06-15
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1742
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (62)..(1141)
PCT-US99-13411-1
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Query Match 100.0%; Score 789; DB 1; Length 1742;
Best Local Similarity 100.0%; Pred. No. 1.8e-185;
Matches 789; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 tatgacatcgagagagagctggagctggcagcttgcacatcgtaagaagtgccggag 60
D 98 tatgacatcgagagagagctggagctggcagcttgcacatcgtaagaagtgccggag 157
QY 61 aagagcaggggcttgatgtagcagcaagttcaacaagaagcgagcgagcgagc 120
D 158 aagagcaggggcttgatgtagcagcaagttcaacaagaagcgagcgagcgagc 217
QY 121 cggcgcggttgagccggagagatcgagcgaggttgagcctccgcccaggtgctg 180
D 218 cggcgcggttgagccggagagatcgagcgaggttgagcctccgcccaggtgctg 277
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OY 181 caccacaatgcatcaccgctgacagcgtctatagaaacccgacacgctgtccacac 240
|||||
DB 278 caccacaatgcatcaccgctgacagcgtctatagaaacccgacacgctgtccacac 337
OY 241 ctgagctagctgctgagagagagctctcgaattccctgcccagaagagctcagagt 300
|||||
DB 338 ctgagctagctgctgagagagagctctcgaattccctgcccagaagagctcagagt 397
OY 301 gaggagagagcaccacgctctcatatagacgattcctgagtgaggctgaactcctcaaca 360
|||||
DB 398 gaggagagagcaccacgctctcatatagacgattcctgagtgaggctgaactcctcaaca 457
OY 361 aagaataatgctcactctgactcctcaagccgaaacatttgttgttaagaagaattat 420
|||||
DB 458 aagaataatgctcactctgactcctcaagccgaaacatttgttgttaagaagaattat 517
OY 421 cccatccacaacatcaagctgattgactctgtgctgctcaagaaatagaatgagagt 480
|||||
DB 518 cccatccacaacatcaagctgattgactctgtgctgctcaagaaatagaatgagagt 577
OY 481 gaatttaagaataatttttgagagcgcggaatttgttgcctcagaatttgtgaactacgag 540
|||||
DB 578 gaatttaagaataatttttgagagcgcggaatttgttgcctcagaatttgtgaactacgag 637
OY 541 cccctgagctcagagctgacatctgagacatagcgtctacacacacacacacacacac 600
|||||
DB 638 cccctgagctcagagctgacatctgagacatagcgtctacacacacacacacacacac 697
OY 601 ggaagcaccctctccttgaggagacaggaacaggaacacacacacacacacacacacac 660
|||||
DB 698 ggaagcaccctctccttgaggagacaggaacaggaacacacacacacacacacacacac 757
OY 661 agttagactctgtagaggaattctcagccatacagagcagctgagcgaagacttatt 720
|||||
DB 758 agttagactctgtagaggaattctcagccatacagagcagctgagcgaagacttatt 817
OY 721 cgaagctctgtagaggaaccggaacggtctacaaatcgaagaagctctcaagacac 780
|||||
DB 818 cgaagctctgtagaggaaccggaacggtctacaaatcgaagaagctctcaagacac 877
OY 781 cccctgagac 789
|||||
DB 878 cccctgagac 886
RESULT 3
US-09-719-748-1
; Sequence 1, Application US/09719748
; GENERAL INFORMATION:
; APPLICANT: KIMCHI, Adi
; TITLE OF INVENTION: DAP-KINASE RELATED PROTEIN
; FILE REFERENCE: KIMCHIZ
; CURRENT APPLICATION NUMBER: US/09/719,748
; CURRENT FILING DATE: 2000-12-15
; PRIOR APPLICATION NUMBER: 60/089,294
; PRIOR FILING DATE: 1998-06-15
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1742
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (62)..(1141)
US-09-719-748-1
Query Match 100.0%; Score 789; DB 28; Length 1742;
Best Local Similarity 100.0%; Pred. No. 1.8e-185;
Matches 789; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 1 tatgacatcgagagagcctgggagctggcagcttgccatcgttgagaagagtcgaggag 60

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DB 98 tatgacatcgagagagcctgggagctggcagcttgccatcgttgagaagagtcgaggag 157
OY 61 aagaagcagggtctgagctgacgaagttcaataagaagcgagacggcgagc 120
|||||
DB 158 aagaagcagggtctgagctgacgaagttcaataagaagcgagacggcgagc 217
OY 121 cggcggctgtagcgggagagatcgagcgggaagctgagcctccgagcggcagctg 180
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DB 218 cggcggctgtagcgggagagatcgagcgggaagctgagcctccgagcggcagctg 277
OY 181 caccacaatgcatcaccgctgacagcgtctatagaaacccgacacgctgtccacac 240
|||||
DB 278 caccacaatgcatcaccgctgacagcgtctatagaaacccgacacgctgtccacac 337
OY 241 ctgagctagctgctgagagagagctctcgaattccctgcccagaagagctcagagt 300
|||||
DB 338 ctgagctagctgctgagagagagctctcgaattccctgcccagaagagctcagagt 397
OY 301 gaggagagagcaccacgctctcatatagacgattcctgagtgaggctgaactcctcaaca 360
|||||
DB 398 gaggagagagcaccacgctctcatatagacgattcctgagtgaggctgaactcctcaaca 457
OY 361 aagaataatgctcactctgactcctcaagccgaaacatttgttgttaagaagaattat 420
|||||
DB 458 aagaataatgctcactctgactcctcaagccgaaacatttgttgttaagaagaattat 517
OY 421 cccatccacaacatcaagctgattgactctgtgctgctcaagaaatagaatgagagt 480
|||||
DB 518 cccatccacaacatcaagctgattgactctgtgctgctcaagaaatagaatgagagt 577
OY 481 gaatttaagaataatttttgagagcgcggaatttgttgcctcagaatttgtgaactacgag 540
|||||
DB 578 gaatttaagaataatttttgagagcgcggaatttgttgcctcagaatttgtgaactacgag 637
OY 541 cccctgagctcagagctgacatctgagacatagcgtctacacacacacacacacacac 600
|||||
DB 638 cccctgagctcagagctgacatctgagacatagcgtctacacacacacacacacacac 697
OY 601 ggaagcaccctctccttgaggagacaggaacaggaacacacacacacacacacacacac 660
|||||
DB 698 ggaagcaccctctccttgaggagacaggaacaggaacacacacacacacacacacacac 757
OY 661 agttagactctgtagaggaattctcagccatacagagcagctgagcgaagacttatt 720
|||||
DB 758 agttagactctgtagaggaattctcagccatacagagcagctgagcgaagacttatt 817
OY 721 cgaagctctgtagaggaaccggaacggtctacaaatcgaagaagctctcaagacac 780
|||||
DB 818 cgaagctctgtagaggaaccggaacggtctacaaatcgaagaagctctcaagacac 877
OY 781 cccctgagac 789
|||||
DB 878 cccctgagac 886
RESULT 4
US-09-606-776-3799
; Sequence 3799, Application US/09606776
; GENERAL INFORMATION:
; APPLICANT: Holtzman, Douglas A.
; APPLICANT: Myers, Paul
; APPLICANT: Gearing, David P.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
; FILE REFERENCE: 1600.1129-001
; CURRENT APPLICATION NUMBER: US/09/606,776
; CURRENT FILING DATE: 2000-06-27
; PRIOR APPLICATION NUMBER: 60/141,578
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: 60/141,379
; PRIOR FILING DATE: 1999-06-28

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; PRIOR APPLICATION NUMBER: 60/141,138
; PRIOR FILING DATE: 1999-06-28
; PRIOR APPLICATION NUMBER: 60/141,581
; PRIOR FILING DATE: 1999-06-29
; NUMBER OF SEQ ID NOS: 5415
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO: 3799
; LENGTH: 2235
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-606-776-3799
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Query Match      99.6%; Score 785.8; DB 23; Length 2235;
Best Local Similarity 99.7%; Pred. No. 1.2e-184;
Matches 787; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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OY 1 tatgacatcgagagagagcttgaggagtgccagcttgccatcgtaagaagtgcggag 60
   |||||
Db 97 tatgacatcgagagagagcttgaggagtgccagcttgccatcgtaagaagtgcggag 156
OY 61 aagagacagggcttgagatgcaagccaagtcatcaagaagcggcagagccggagc 120
   |||||
Db 157 aagagacagggcttgagatgcaagccaagtcatcaagaagcggcagagccggagc 216
OY 121 cggcgcggtgtagccggagagatcgacggaggtgagcatcctcgcaagtgctg 180
   |||||
Db 217 cggcgcggtgtagccggagagatcgacggaggtgagcatcctcgcaagtgctg 276
OY 181 caccacaatgcatcacgtgcacagcgtctatgagaacccgacagagtggtgacac 240
   |||||
Db 277 caccacaatgcatcacgtgcacagcgtctatgagaacccgacagagtggtgacac 336
OY 241 ctgagctgagtgctcgaggagagctctcgaattcctcgccagaaagagtcactgag 300
   |||||
Db 337 ctgagctgagtgctcgaggagagctctcgaattcctcgccagaaagagtcactgag 396
OY 301 gagagagagccacacagctcatcaagaagatcctcgagtggtgagtaacttcacaca 360
   |||||
Db 397 gagagagagccacacagctcatcaagaagatcctcgagtggtgagtaacttcacaca 456
OY 361 aagaaatgtgctcaacttgatctcaagccagaaacatlatgtgtgtagaagaatatt 420
   |||||
Db 457 aagaaatgtgctcaacttgatctcaagccagaaacatlatgtgtgtagaagaatatt 516
OY 421 cccattccacacatcaagctgattgacttgctggtcctcaagaaatagaagatgaggt 480
   |||||
Db 517 cccattccacacatcaagctgattgacttgctggtcctcaagaaatagaagatgaggt 576
OY 481 gaatttaagaatatttttgagacgcggaaatttgttctcagaagaatttgtgaactagag 540
   |||||
Db 577 gaatttaagaatatttttgagacgcggaaatttgttctcagaagaatttgtgaactagag 636
OY 541 cccctgggtcctggagcttgacatgttgagacataagcgtcatcaactcatcctttaagt 600
   |||||
Db 637 cccctgggtcctggagcttgacatgttgagacataagcgtcatcaactcatcctttaagt 696
OY 601 ggaagcacccttcctcggagagacacgaagcagaagaacatggccaatatcatcatcagtg 660
   |||||
Db 697 ggaagcacccttcctcggagagacacgaagcagaagaacatggccaatatcatcatcagtg 756
OY 661 agttaagacatttgtagaagaattcctcaagccatacagcagctggtccaaagagcttatt 720
   |||||
Db 757 agttaagacatttgtagaagaattcctcaagccatacagcagctggtccaaagagcttatt 816
OY 721 cggagagcttcgtttaagaagaccggaaacggtctacaatccaagaagctctcagagac 780
   |||||
Db 817 cggagagcttcgtttaagaagaccggaaacggtctacaatccaagaagctctcagagac 876
OY 781 ccctgagtc 789
   |||||
Db 877 ccctgagtc 885
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```
RESULT 5
US-60-278-232-3329
; Sequence 3329, Application US/60278232
; GENERAL INFORMATION:
; APPLICANT: MORRIS, MacDonald
; APPLICANT: Lal, Preethi
; TITLE OF INVENTION: Method for the Identification of Sequence Polymorphisms Using
; TITLE OF INVENTION: Polynucleotide Sequence Databases, and Single Nucleotide
; FILE REFERENCE: GX-0011 P
; CURRENT APPLICATION NUMBER: US/60/278,232
; CURRENT FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 12,557
; SOFTWARE: PERL Program
; SEQ ID NO: 3329
; LENGTH: 1970
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc-feature
; OTHER INFORMATION: Incyte ID No: 211168.4
US-60-278-232-3329
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Query Match      99.4%; Score 784.2; DB 66; Length 1970;
Best Local Similarity 99.6%; Pred. No. 2.9e-184;
Matches 786; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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OY 1 tatgacatcgagagagagcttgaggagtgccagcttgccatcgtaagaagtgcggag 60
   |||||
Db 109 tatgacatcgagagagagcttgaggagtgccagcttgccatcgtaagaagtgcggag 168
OY 61 aagagcaggggttgagatgcaagccaagtcatcaagaagcggcagagccggagc 120
   |||||
Db 169 aagagcaggggttgagatgcaagccaagtcatcaagaagcggcagagccggagc 228
OY 121 cggcgcggtgtagccggagagatcgacggaggtgagcatcctcgcaagtgctg 180
   |||||
Db 229 cggcgcggtgtagccggagagatcgacggaggtgagcatcctcgcaagtgctg 288
OY 181 caccacaatgcatcacgtgcacagcgtctatgagaacccgacagcgtggtcctac 240
   |||||
Db 289 caccacaatgcatcacgtgcacagcgtctatgagaacccgacagcgtggtcctac 348
OY 241 ctgagctgagtgctcgaggagagctctcgaattcctcgccagaaagagtcactgag 300
   |||||
Db 349 ctgagctgagtgctcgaggagagctctcgaattcctcgccagaaagagtcactgag 408
OY 301 gagagagagccacacagctcatcaagaagatcctcgagtggtgagtaacttcacaca 360
   |||||
Db 409 gagagagagccacacagctcatcaagaagatcctcgagtggtgagtaacttcacaca 468
OY 361 aagaaatgtgctcaacttgatctcaagccagaaacatlatgtgtgtagaagaatatt 420
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Db 469 aagaaatgtgctcaacttgatctcaagccagaaacatlatgtgtgtagaagaatatt 528
OY 421 cccattccacacatcaagctgattgacttgctggtcctcaagaaatagaagatgaggt 480
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Db 529 cccattccacacatcaagctgattgacttgctggtcctcaagaaatagaagatgaggt 588
OY 481 gaatttaagaatatttttgagacgcggaaatttgttctcagaagaatttgtgaactagag 540
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Db 589 gaatttaagaatatttttgagacgcggaaatttgttctcagaagaatttgtgaactagag 648
OY 541 cccctgggtcctggagcttgacatgttgagacataagcgtcatcaactcatcctttaagt 600
   |||||
Db 649 cccctgggtcctggagcttgacatgttgagacataagcgtcatcaactcatcctttaagt 708
OY 601 ggaagcacccttcctcggagagacacgaagcagaagaacatggccaatatcatcatcagtg 660
   |||||
Db 709 ggaagcacccttcctcggagagacacgaagcagaagaacatggccaatatcatcatcagtg 768
```

QY 661 agttagacttgatgaggaattcttcagccatagagcgagctggccaaagacttatt 720
|||||
Db 769 agttagacttgatgaggaattcttcagccatagagcgagctggccaaagacttatt 828
QY 721 cggaaagcttcgtttaaagagaccggaaacggtctcaatccaagaggtctcaagac 780
|||||
Db 829 cggaaagcttcgtttaaagagaccggaaacggtctcaatccaagaggtctcaagac 888
QY 781 cccctgagtc 789
|||||
Db 889 cccctgagtc 897

RESULT 6

US-09-649-163-9895
; Sequence 9895, Application US/09649163
; GENERAL INFORMATION:
; APPLICANT: Holzman, Douglas A.
; APPLICANT: Holzman, Katherine A.
; APPLICANT: Leiby, Kevin R.
; APPLICANT: Kingsbury, Gillian A.
; APPLICANT: Welch, Nadine S.
; APPLICANT: McCarthy, Sean A.
; APPLICANT: Williamson, Mark
; APPLICANT: Richardson, Jennifer
; APPLICANT: Macbeth, Kyle J.
; APPLICANT: Fraser, Christopher C.
; APPLICANT: Villevial, Jean-Luc M.G.
; APPLICANT: Goodearl, Andrew D.J.
; APPLICANT: Silos-Santiago, Immaculada
; APPLICANT: White, David
; APPLICANT: Pan, Yang
; APPLICANT: Busfield, Samantha J.
; APPLICANT: Deeds, James
; APPLICANT: Lee, John
; APPLICANT: Shyjan, Andrew W.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
; FILE REFERENCE: 1600.1164-001
; CURRENT APPLICATION NUMBER: US/09/649,163
; CURRENT FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/150,608
; PRIOR FILING DATE: 1999-08-25
; NUMBER OF SEQ ID NOS: 10535
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9895
; LENGTH: 2235
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-649-163-9895

Query Match 99.4%; Score 784.2; DB 25; Length 2235;
Best Local Similarity 99.6%; Pred. No. 3e-184;

Matches 786; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 tatgacatcggaagagagctgggagatggccagtttgccatcgtaagaagtgcggag 60
|||||
Db 97 tatgacatcggaagagagctgggagatggccagtttgccatcgtaagaagtgcggag 156
QY 61 aagaagcaggggcttgagttcgagccaagtcatcaagaagagcgagacggcgagc 120
|||||
Db 157 aagaagcaggggcttgagttcgagccaagtcatcaagaagagcgagacggcgagc 216
QY 121 cggcgaggttgagccggagagagatcgagcggagagtgagacatcctcgccaggtctg 180
|||||
Db 217 cggcgaggttgagccggagagagatcgagcggagagtgagacatcctcgccaggtctg 276
QY 181 caccacaatgtcatcacgctgcagcagcgtctatgagaacccgacacgagctgtgacatc 240
|||||
Db 277 caccacaatgtcatcacgctgcagcagcgtctatgagaacccgacacgagctgtgacatc 336

QY 241 cttagactagtgctggagagagagctcttcgattcttcctggcccaagagatcagat 300
|||||
Db 337 cttagactagtgctggagagagagctcttcgattcttcctggcccaagagatcagat 396
QY 301 gaagagagagccacacagcttcattaaagacagatccctggatgggtgaaactaccca 360
|||||
Db 397 gaagagagagccacacagcttcattaaagacagatccctggatgggtgaaactaccca 456
QY 361 aagaataatgtcactcttgatctcaagccagaataatgattgtctagaagaataatt 420
|||||
Db 457 aagaataatgtcactcttgatctcaagccagaataatgattgtctagaagaataatt 516
QY 421 cccattccacacatcaagctgattgacttgctgctcgaagataagagatgagatt 480
|||||
Db 517 cccattccacacatcaagctgattgacttgctgctcgaagataagagatgagatt 576
QY 481 gaattaaagataatttttgagacgcggaatttgcttcagaagaatttgtaactagag 540
|||||
Db 577 gaattaaagataatttttgagacgcggaatttgcttcagaagaatttgtaactagag 636
QY 541 cccctgggtctgagagctgacatgtagagacatagagcgtcatcactacatccttaagt 600
|||||
Db 637 cccctgggtctgagagctgacatgtagagacatagagcgtcatcactacatccttaagt 696
QY 601 ggaagcattcccttcctctggagacagcagaaggaacacatgggaatatcatcagtg 660
|||||
Db 697 ggaagcattcccttcctctggagacagcagaaggaacacatgggaatatcatcagtg 756
QY 661 agttagacttgatgaggaattcttcagccatcgagcgagctggccaaagacttatt 720
|||||
Db 757 agttagacttgatgaggaattcttcagccatcgagcgagctggccaaagacttatt 816
QY 721 cggaaagcttcgtttaaagagaccggaaacggtctcaatccaagaggtctcaagac 780
|||||
Db 817 cggaaagcttcgtttaaagagaccggaaacggtctcaatccaagaggtctcaagac 876
QY 781 cccctgagtc 789
|||||
Db 877 cccctgagtc 885

RESULT 7

US-09-652-917-3775
; Sequence 3775, Application US/09652917
; GENERAL INFORMATION:
; APPLICANT: Shyjan, Andrew W.
; APPLICANT: Holzman, Douglas A.
; APPLICANT: Distefano, Peter
; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
; FILE REFERENCE: 1600.1170-001
; CURRENT APPLICATION NUMBER: US/09/652,917
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/151,422
; PRIOR FILING DATE: 1999-08-30
; NUMBER OF SEQ ID NOS: 3855
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3775
; LENGTH: 2235
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-652-917-3775

Query Match 99.4%; Score 784.2; DB 25; Length 2235;
Best Local Similarity 99.6%; Pred. No. 3e-184;

Matches 786; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 tatgacatcggaagagagctgggagatggccagtttgccatcgtaagaagtgcggag 60
|||||
Db 97 tatgacatcggaagagagctgggagatggccagtttgccatcgtaagaagtgcggag 156
QY 61 aagaagcaggggcttgagttcgagccaagtcatcaagaagagcgagacggcgagc 120

```
Db 157 aagagacgagggtctgagatgacgacgaagctcacaagaagcggcagagccggcgagc 216
QY 121 cggcggtgtgagcgcgagagagatcggagcggaagttagatcctctggcgagtgctg 180
Db 217 cggcggtgtgagcgcgagagagatcggagcggaagttagatcctctggcgagtgctg 276
QY 181 caccacaatgcatcagctgcaagctcctagttagaaccggaacggaagctgtgacatc 240
Db 277 caccacaatgcatcagctgcaagctcctagttagaaccggaacggaagctgtgacatc 336
QY 241 ctgagctagtgtctggaagagagcctcctgctcctggcccaagaagagtaagtaag 300
Db 337 ctgagctagtgtctggaagagagcctcctgctcctggcccaagaagagtaagtaag 396
QY 301 gaggaagagcgacacgactcctcctcctcctcctcctcctcctcctcctcctcctc 360
Db 397 gaggaagagcgacacgactcctcctcctcctcctcctcctcctcctcctcctcctc 456
QY 361 aagaaatgctcacttctgacatcgaagcgaagaacatgctgtgtagacaagaata 420
Db 457 aagaaatgctcacttctgacatcgaagcgaagaacatgctgtgtagacaagaata 516
QY 421 cccatccacacatcaagctgacttggctgctgctcctcctcctcctcctcctcctc 480
Db 517 cccatccacacatcaagctgacttggctgctgctcctcctcctcctcctcctcctc 576
QY 481 gaatttaagaatatcttggagacgacgaagcgaagaacacacacacacacacacac 540
Db 577 gaatttaagaatatcttggagacgacgaagcgaagaacacacacacacacacacac 636
QY 541 cccctgggtctggaagcgacatgtagagcgaatgtagcgcacacacacacacacac 600
Db 637 cccctgggtctggaagcgacatgtagagcgaatgtagcgcacacacacacacacac 696
QY 601 gagacatccctctcctcctcctcctcctcctcctcctcctcctcctcctcctc 660
Db 697 gagacatccctctcctcctcctcctcctcctcctcctcctcctcctcctcctc 756
QY 661 agttacgacttctgtaggaatctcctcctcctcctcctcctcctcctcctcctc 720
Db 757 agttacgacttctgtaggaatctcctcctcctcctcctcctcctcctcctcctc 816
QY 721 cggagactctggtttaagaagacccggaagcgtcacaacacacacacacacacac 780
Db 817 cggagactctggtttaagaagacccggaagcgtcacaacacacacacacacacac 876
QY 781 cccctggatc 789
Db 877 cccctggatc 885
```

```
RESULT 8
US-09-698-010-12235
; Sequence 12235, Application US/09698010
; GENERAL INFORMATION:
```

```
; APPLICANT: Williamson, Mark
; APPLICANT: Shvlian, Andrew W.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: 1600.2029-001
; CURRENT APPLICATION NUMBER: US/09/698,010
; CURRENT FILING DATE: 2000-10-27
; PRIOR APPLICATION NUMBER: 60/162,358
; PRIOR FILING DATE: 1999-10-29
; NUMBER OF SEQ ID NOS: 15684
; SOFTWARE: fastseq for Windows Version 4.0
; SEQ ID NO 12235
; LENGTH: 2235
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-698-010-12235
```

```
Query Match 99.4%; Score 784.2; DB 27; Length 2235;
Best Local Similarity 99.6%; Pred. NO. 3e-184;
Matches 786; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 1 tatgacatcggaagagcctgagagtgagcagcttctgcatcctgtaagaatgcccggag 60
Db 97 tatgacatcggaagagcctgagagtgagcagcttctgcatcctgtaagaatgcccggag 156
QY 61 aagagacggggttgatgtagcagccaagtctcacaagaagcggcagcgcgagc 120
Db 157 aagagacggggttgatgtagcagccaagtctcacaagaagcggcagcgcgagc 216
QY 121 cggcggtgtgagcgcgagagagatcggagcggaagttagatcctctggcgagtgctg 180
Db 217 cggcggtgtgagcgcgagagagatcggagcggaagttagatcctctggcgagtgctg 276
QY 181 caccacaatgcatcagctgcaagctcctagttagaaccggaacggaagctgtgacatc 240
Db 277 caccacaatgcatcagctgcaagctcctagttagaaccggaacggaagctgtgacatc 336
QY 241 ctgagctagtgtctggaagagagcctcctgctcctggcccaagaagagtaagtaag 300
Db 337 ctgagctagtgtctggaagagagcctcctgctcctggcccaagaagagtaagtaag 396
QY 301 gaggaagagcgacacgactcctcctcctcctcctcctcctcctcctcctcctcctc 360
Db 397 gaggaagagcgacacgactcctcctcctcctcctcctcctcctcctcctcctcctc 456
QY 361 aagaaatgctcacttctgacatcgaagcgaagaacatgctgtgtagacaagaata 420
Db 457 aagaaatgctcacttctgacatcgaagcgaagaacatgctgtgtagacaagaata 516
QY 421 cccatccacacatcaagctgacttggctgctgctcctcctcctcctcctcctcctc 480
Db 517 cccatccacacatcaagctgacttggctgctgctcctcctcctcctcctcctcctc 576
QY 481 gaatttaagaatatcttggagacgacgaagcgaagaacacacacacacacacacac 540
Db 577 gaatttaagaatatcttggagacgacgaagcgaagaacacacacacacacacacac 636
QY 541 cccctgggtctggaagcgacatgtagagcgaatgtagcgcacacacacacacacac 600
Db 637 cccctgggtctggaagcgacatgtagagcgaatgtagcgcacacacacacacacac 696
QY 601 gagacatccctctcctcctcctcctcctcctcctcctcctcctcctcctcctc 756
Db 697 gagacatccctctcctcctcctcctcctcctcctcctcctcctcctcctcctc 816
QY 661 agttacgacttctgtaggaatctcctcctcctcctcctcctcctcctcctcctc 720
Db 757 agttacgacttctgtaggaatctcctcctcctcctcctcctcctcctcctcctc 816
QY 721 cggagactctggtttaagaagacccggaagcgtcacaacacacacacacacacac 780
Db 817 cggagactctggtttaagaagacccggaagcgtcacaacacacacacacacacac 876
QY 781 cccctggatc 789
Db 877 cccctggatc 885
```

```
RESULT 9
US-09-698-013-6041
; Sequence 6041, Application US/09698013
; GENERAL INFORMATION:
```

```
; APPLICANT: Geating, David P.
; APPLICANT: Comrack, Christopher
; APPLICANT: Kingsbury, Gillian A.
; APPLICANT: Holtzman, Douglas A.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: 1600.2013-001
```

```

; CURRENT APPLICATION NUMBER: US/09/698,013
; CURRENT FILING DATE: 2000-10-27
; PRIOR APPLICATION NUMBER: 60/162,360
; PRIOR FILING DATE: 1999-10-29
; NUMBER OF SEQ ID NOS: 7935
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6041
; LENGTH: 2235
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-698-013-6041

```

```

Query Match          99.4%; Score 784.2; DB 27; Length 2235;
Best Local Similarity 99.6%; Pred. No. 3e-184;
Matches 786; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```

```

QY 1 tatgacatcggagagagctggagctggcagcttgcacatcgctgaagaagtcggag 60
   |||||||
DB 97 tatgacatcggagagagctggagctggcagcttgcacatcgctgaagaagtcggag 156
   |||||||
QY 61 aagaagcaggggcttgaatgacagcaagtcataaagaagcgagagcgagc 120
   |||||||
DB 157 aagaagcaggggcttgaatgacagcaagtcataaagaagcgagagcgagc 216
   |||||||
QY 121 cggcgggctggagcgggagagatcgagcgagagtgagcactccctgcgagctgctg 180
   |||||||
DB 217 cggcgggctggagcgggagagatcgagcgagagtgagcactccctgcgagctgctg 276
   |||||||
QY 181 caccacaatgctacacgcctgcagcagcttcatagaaaccgacgcgtgctgacatc 240
   |||||||
DB 277 caccacaatgctacacgcctgcagcagcttcatagaaaccgacgcgtgctgacatc 336
   |||||||
QY 241 ctgagcctagctgctggagagagctcttcgattccctggccagaagagtcactgagt 300
   |||||||
DB 337 ctgagcctagctgctggagagagctcttcgattccctggccagaagagtcactgagt 396
   |||||||
QY 301 gaagagagagagcagcagcttcattaaagcagatctgagatgggttgaaataccttcacaca 360
   |||||||
DB 397 gaagagagagagcagcagcttcattaaagcagatctgagatgggttgaaataccttcacaca 456
   |||||||
QY 361 aagaagaaatgctcacttgaatctcaagccagaagaaacataatgtgtgtagaagaaatatt 420
   |||||||
DB 457 aagaagaaatgctcacttgaatctcaagccagaagaaacataatgtgtgtagaagaaatatt 516
   |||||||
QY 421 cccattccacaacatcaagctgactgacttgcctgcctcagaaataatgtgaaactagag 480
   |||||||
DB 517 cccattccacaacatcaagctgactgacttgcctgcctcagaaataatgtgaaactagag 576
   |||||||
QY 481 gaatttaagaaataatttttgagagcggagaaattgtgtctcagaaataatgtgaaactagag 540
   |||||||
DB 577 gaatttaagaaataatttttgagagcggagaaattgtgtctcagaaataatgtgaaactagag 636
   |||||||
QY 541 ccccttggtctggagagctgagacatgtagagataagcgtlcatcactcactcacttgaag 600
   |||||||
DB 637 ccccttggtctggagagctgagacatgtagagataagcgtlcatcactcactcacttgaag 696
   |||||||
QY 601 ggaagcattcccttctctggagagacagaaagcagaaactgtgcaaatatcacatcaagtg 660
   |||||||
DB 697 ggaagcattcccttctctggagagacagaaagcagaaactgtgcaaatatcacatcaagtg 756
   |||||||
QY 661 agttaagaaatttgagagaaattcttcagcagataagcagagcttgagcagagcttgaatc 720
   |||||||
DB 757 agttaagaaatttgagagaaattcttcagcagataagcagagcttgagcagagcttgaatc 816
   |||||||
QY 721 cggagaaattctctggctaaagagaccggaaacggtcacaaatccaagagagcttcacagac 780
   |||||||
DB 817 cggagaaattctctggctaaagagaccggaaacggtcacaaatccaagagagcttcacagac 876
   |||||||
QY 781 cccctgagatc 789
   |||||||
DB 877 cccctgagatc 885

```

```

RESULT 10
PCT-US01-08631-9265
; Sequence 9265, Application PC/US0108631
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 21272-049
; CURRENT APPLICATION NUMBER: PCT/US01/08631
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 9265
; LENGTH: 1253
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIMILAR
; LOCATION: (231)..(1250)
; OTHER INFORMATION: 100% homologous to Homo sapiens Death-associated protein
; OTHER INFORMATION: kinase 2, accession number AB018001, Smith-Waterman Score=1732.
PCT-US01-08631-9265

```

```

Query Match          96.3%; Score 760.2; DB 1; Length 1253;
Best Local Similarity 99.6%; Pred. No. 2.3e-178;
Matches 762; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```

```

QY 25 agtggcagatttgcacatcgtaagaatgcccggagaaagacaggggcttgatagca 84
   |||||||
DB 231 agtggcagatttgcacatcgtaagaatgcccggagaaagacaggggcttgatagca 290
   |||||||
QY 85 gccaaagtcataaagaagcggagagcggcgagccggcggtgtgtgagccggagagag 144
   |||||||
DB 291 gccaaagtcataaagaagcggagagcggcgagccggcggtgtgtgagccggagagag 350
   |||||||
QY 145 atcgaagcggaggtgagacatctcggcagagtgctgacacaaatgcatcacgctgac 204
   |||||||
DB 351 atcgaagcggaggtgagacatctcggcagagtgctgacacaaatgcatcacgctgac 410
   |||||||
QY 205 gacgtcatgagaacccgacacgagctgtgacactccttgaagctgagctgagagagag 264
   |||||||
DB 411 gacgtcatgagaacccgacacgagctgtgacactccttgaagctgagctgagagagag 470
   |||||||
QY 265 ctcttcgattccttgcgcgaagagagtcactgagtgagggagggccacagcttcatt 324
   |||||||
DB 471 ctcttcgattccttgcgcgaagagagtcactgagtgagggagggccacagcttcatt 530
   |||||||
QY 325 aagcagaatccttgaatgggtgaactactccttcacacaaagaataatgtcacttgaatc 384
   |||||||
DB 531 aagcagaatccttgaatgggtgaactactccttcacacaaagaataatgtcacttgaatc 590
   |||||||
QY 385 aagcagaataataatggtgtgtagacaagaataatcccatcacaacataaactgatt 444
   |||||||
DB 591 aagcagaataataatggtgtgtagacaagaataatcccatcacaacataaactgatt 650
   |||||||
QY 445 gacttggctgtgctcagaaataagaaatgaaatgaaatgaaatgaaatgaaatgaaatg 504
   |||||||
DB 651 gacttggctgtgctcagaaataagaaatgaaatgaaatgaaatgaaatgaaatgaaatg 710
   |||||||
QY 505 ccggaatttgtctccaagaataatgtgaactacgagcccttgggtctgagagctgagac 564
   |||||||
DB 711 ccggaatttgtctccaagaataatgtgaactacgagcccttgggtctgagagctgagac 770
   |||||||
QY 565 tggagcagaagcgtcatcacactacatacctcttaagtgagagatcccttctctggagac 624
   |||||||
DB 771 tggagcagaagcgtcatcacactacatacctcttaagtgagagatcccttctctggagac 830
   |||||||
QY 625 acgaaagcagaaacactgagcaaatatcatcatcagtgagtgagcttgatgaggaattc 684

```

|||||
Db 831 aagaagcagaacacactggcacaatcaccagcagtgagttacgacttcttgaggaattc 890
Qy 685 ttcaagccatacagcagcagctggccaagagacttattcggaaagcttctgtttaagagacc 744
Db 891 ttcaagccagacagcagcagctggccaagagacttattcggaaagcttctgtttaagagacc 950
Qy 745 cggaaacgagctacaatcccaagagagctctcagaaccccttgatc 789
Db 951 cggaaacgagctacaatcccaagagagctctcagaaccccttgatc 995

RESULT 11

US-09-914-8371
; Sequence 8371, Application US/09652914
; GENERAL INFORMATION:
; APPLICANT: Shyjan, Andrew W.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: 1600.1193-001
; CURRENT APPLICATION NUMBER: US/09/652,914
; CURRENT FILING DATE: 2000-08-31
; PRIOR APPLICATION NUMBER: 60/152,112
; PRIOR FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 9677
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 8371
; LENGTH: 1198
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-652-914-8371

Query Match 93.4%, Score 737.2; DB 25; Length 1198;
Best Local Similarity 99.1%; Pred. No. 1.2e-172;
Matches 783; Conservative 0; Mismatches 3; Indels 4; Gaps 4;

Qy 1 tatgcatcggagagggagctggggagctggcagttgcatcgttgaagaagtgcggagag 60
Db 62 tatgcatcggagagggagctggggagctggcagttgcatcgttgaagaagtgcggagag 121
Qy 61 aagaagcagggagctggaatgatcgaacccaagtcatcaagaagcggcagagccgagc 120
Db 122 aagaagcagggagctggaatgatcgaacccaagtcatcaagaagcggcagagccgagc 180
Qy 121 cggcgcggtgtgagcgggagagagatcgagcgggaggtgagcatcctcgcgcaagtgctg 180
Db 181 cggcgcggtgtgagcgggagagagatcgagcgggaggtgagcatcctcgcgcaagtgctg 239
Qy 181 caccacaatgcatcagcgttcacagagctctatagaaacgcgacccgacgtgtgtacatc 240
Db 240 caccacaatgcatcagcgttcacagagctctatagaaacgcgacccgacgtgtgtacatc 299
Qy 241 ctgagctagtgtctggaagagagctctcgaattcctgagccgaagaagatcaactgagt 300
Db 300 ctgagctagtgtctggaagagagctctcgaattcctgagccgaagaagatcaactgagt 359
Qy 301 gaggagagagcaccacagcttcatataagagatcctgagtggtgtgaactaccttcacaca 360
Db 360 gaggagagagcaccacagcttcatataagagatcctgagtggtgtgaactaccttcacaca 418
Qy 361 aagaanaatctcacttctgactcacaagccaaacaaatattatgtgttgaagaataatt 420
Db 419 aagaanaatctcacttctgactcacaagccaaacaaatattatgtgttgaagaataatt 478
Qy 421 cccattccacacatcaagctgattgacttggcttggtctcagaataatgagatggaatt 480
Db 479 cccattccacacatcaagctgattgacttggcttggtctcagaataatgagatggaatt 538
Qy 481 gaatttaagaataatttttggaagcgggaattgttctcagaataatgtgaaactagag 540
Db 539 gaatttaagaataatttttggaagcgggaattgttctcagaataatgtgaaactagag 598

Qy 541 cccctgtgttgagagctgacatgttgagacataagcgctlcatcacatcattcttaagt 600
Db 599 cccctgtgttgagagctgacatgttgagacataagcgctlcatcacatcattcttaagt 658
Qy 601 ggaagatccctctctctggaagacagaaacgaagaaacactgtgcaaatatcacatgag 660
Db 659 ggaagatccctctctctggaagacagaaacgaagaaacactgtgcaaatatcacatgag 718
Qy 661 agttagactttagataggaattcttca-gccatagcagagagctggccaagagcttat 719
Db 719 agttagactttagataggaattcttcaagccagacagcagagctggccaagagcttat 778
Qy 720 tcggaagcttctgtttaaagagaccggaacagctctacaatcccaagagctctcagaca 779
Db 779 tcggaagcttctgtttaaagagaccggaacagctctacaatcccaagagagctctcagaca 838
Qy 780 ccccttgatc 789
Db 839 ccccttgatc 848

RESULT 12

US-09-760-446A-450
; Sequence 450, Application US/09760446A
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT268
; CURRENT APPLICATION NUMBER: US/09/760,446A
; CURRENT FILING DATE: 2000-01-16
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/214,886
; PRIOR FILING DATE: 2000-06-28
; PRIOR APPLICATION NUMBER: 60/217,487
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,758
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,963
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/217,496
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,447
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/218,290
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/225,757
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/226,868
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/216,647
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,267
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/216,880
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,270
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; PRIOR APPLICATION NUMBER: 60/251,869
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/235,834
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; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: 60/234,223
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: 60/228,924
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/224,518
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/236,369

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PRIOR APPLICATION NUMBER:	60/240, 960
PRIOR FILING DATE:	2000-10-20
PRIOR APPLICATION NUMBER:	60/239, 935
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PRIOR FILING DATE:	2000-08-14
PRIOR APPLICATION NUMBER:	60/235, 833
PRIOR FILING DATE:	2000-09-27
PRIOR APPLICATION NUMBER:	60/230, 438
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PRIOR APPLICATION NUMBER:	60/215, 139
PRIOR FILING DATE:	2000-06-30
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PRIOR FILING DATE:	2000-09-08
PRIOR APPLICATION NUMBER:	60/231, 414
PRIOR FILING DATE:	2000-09-08
PRIOR APPLICATION NUMBER:	60/232, 081
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PRIOR APPLICATION NUMBER:	60/232, 399
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PRIOR APPLICATION NUMBER:	60/241, 222
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PRIOR APPLICATION NUMBER:	60/246, 475
PRIOR FILING DATE:	2000-11-08
PRIOR APPLICATION NUMBER:	60/231, 243

;; PRIOR FILING DATE: 2000-09-08
;; PRIOR APPLICATION NUMBER: 60/233,065
;; PRIOR FILING DATE: 2000-09-14
;; PRIOR APPLICATION NUMBER: 60/232,398

Query Match 82.8%; Score 653.2; DB 30; Length 830;
Best Local Similarity 98.1%; Pred. No. 8.5e-152;
Matches 680; Conservative 0; Mismatches 11; Indels 2; Gaps 2;

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QY 1 tatgacatcgagagagagctggagtgccagcttgccatcgctgaaagatgccggag 60
DB 137 tatgacatcgagagagagctggagtgccagcttgccatcgctgaaagatgccggag 196
QY 61 aagagacaggggcttgagatgcaagccaagttcatcaagaacgagagccggcgagc 120
DB 197 aagagacaggggcttgagatgcaagccaagttcatcaagaacgagagccggcgagc 256
QY 121 cggcgcggttgagccggagagatcgagccggaggtgagcaatccctgcggcaggtgctg 180
DB 257 cggcgcggttgagccggagagatcgagccggaggtgagcaatccctgcggcaggtgctg 316
QY 181 caccacaatgcatcagctgcaagcagctctatgaagaccgacacgagctgtgcaatc 240
DB 317 caccacaatgcatcagctgcaagcagctctatgaagaccgacacgagctgtgcaatc 376
QY 241 ctgagctagtgctcgagagagagctctcgaattcctcggccagaaagagctcagtg 300
DB 377 ctgagctagtgctcgagagagagctctcgaattcctcggccagaaagagctcagtg 436
QY 301 gagagaggggagccagcttcatgaagagatcctgagtggtgtaactacttcaaca 360
DB 437 gagagaggggagccagcttcatgaagagatcctgagtggtgtaactacttcaaca 496
QY 361 aagaanaatgtctacttgatctcaagccagaaacatlatgtgttaagaacaagatatt 420
DB 497 aagaanaatgtctacttgatctcaagccagaaacatlatgtgttaagaacaagatatt 556
QY 421 cccattccacacatcaagctgattgactttgtcgtgcacagaaata-gaagatggagt 479
DB 557 cccattccacacatcaagctgattgactttgtcgtgcacagaaata-gaagatggagt 616
QY 480 tgaatttaagaatatcttctggagacgcccgaatttgctcctcagaagaattgtgaactaaga 539
DB 617 tgaatttaagaatatcttctggagacgcccgaatttgctcctcagaagaattgtgaactaaga 676
QY 540 gccctcggg-ctctgagagctgacatgtagagacatagcgctacacactacactctctaa 598
DB 677 gccctcgggctctgagagctgacatgtagagacatagcgctacacactacactctctaa 736
QY 599 gtgagacatccctctcctctggagacagagacgagaaacacttgcaataatcatcag 658
DB 737 gtgagacatccctctcctctggagacagagacgagaaacacttgcaataatcatcag 796
QY 659 tgaattacgacttgatgaggaattctcagcc 691
DB 797 tgaattacgacttgatgaggaattctcagcc 829
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RESULT 13

US-60-360-207-3361
; Sequence 3361, Application US/60360207
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig
; TITLE OF INVENTION: HUMAN GENOME DISCOVERY SYSTEM AND USES THEREOF
; FILE REFERENCE: CL001321
; CURRENT APPLICATION NUMBER: US/60/360,207
; CURRENT FILING DATE: 2002-03-01
; NUMBER OF SEQ ID NOS: 47235
; SEQ ID NO 3361
; LENGTH: 1732
; TYPE: DNA
; ORGANISM: HUMAN
US-60-360-207-3361

Query Match 80.7%; Score 637; DB 75; Length 1732;
Best Local Similarity 89.6%; Pred. No. 1.1e-147;
Matches 707; Conservative 0; Mismatches 55; Indels 27; Gaps 1;

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QY 1 tatgacatcgagagagagctggagtgccagcttgccatcgctgaaagatgccggag 60
DB 181 tatgacatcgagagagagctggagtgccagcttgccatcgctgaaagatgccggag 240
QY 61 aagagacaggggcttgagatgcaagccaagttcatcaagaacgagagccggcgagc 120
DB 241 aagagacaggggcttgagatgcaagccaagttcatcaagaacgagagccggcgagc 300
QY 121 cggcgcggttgagccggagagatcgagccggaggtgagcaatccctgcggcaggtgctg 180
DB 301 cggcgcggttgagccggagagatcgagccggaggtgagcaatccctgcggcaggtgctg 360
QY 181 caccacaatgcatcagctgcaagcagctctatgaagaccgacacgagctgtgcaatc 240
DB 361 caccacaatgcatcagctgcaagcagctctatgaagaccgacacgagctgtgcaatc 420
QY 241 ctgagctagtgctcgagagagagctctcgaattcctcggccagaaagagctcagtg 300
DB 421 ctgagctagtgctcgagagagagctctcgaattcctcggccagaaagagctcagtg 480
QY 301 gagagaggggagccagcttcatgaagagatcctgagtggtgtaactacttcaaca 360
DB 481 gagagaggggagccagcttcatgaagagatcctgagtggtgtaactacttcaaca 540
QY 361 aagaanaatgtctacttgatctcaagccagaaacatlatgtgttaagaacaagatatt 420
DB 541 aagaanaatgtctacttgatctcaagccagaaacatlatgtgttaagaacaagatatt 600
QY 421 cccattccacacatcaagctgattgactttgtcgtgcacagaaata-gaagatggagt 480
DB 601 cccattccacacatcaagctgattgactttgtcgtgcacagaaata-gaagatggagt 660
QY 481 gaaatttaagaatatcttctggagacgcccgaatttgctcctcagaagaattgtgaactaaga 540
DB 661 gaaatttaagaatatcttctggagacgcccgaatttgctcctcagaagaattgtgaactaaga 720
QY 541 gccctcgggctctgagagctgacatgtagagacatagcgctacacactacactctctaa 600
DB 721 gccctcgggctctgagagctgacatgtagagacatagcgctacacactacactctctaa 753
QY 601 ggaagatccctctcctctggagacagagacgagaaacacttgcaataatcatcag 660
DB 754 ggaagatccctctcctctggagacagagacgagaaacacttgcaataatcatcag 813
QY 661 agttacgacttgatgaggaattctcagacatcagagcagctggcagaagacttatt 720
DB 814 agttacgacttgatgaggaattctcagacatcagagcagctggcagaagacttatt 873
QY 721 cggagactctcggttaagaagacccggaaacggtcacaatccaagaagctctcagacac 780
DB 874 cggagactctcggttaagaagacccggaaacggtcacaatccaagaagctctcagacac 933
QY 781 cccctgagc 789
DB 934 cccctgagc 942
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RESULT 14

US-09-760-443-677
; Sequence 677, Application US/09760443
; GENERAL INFORMATION:
; APPLICANT: ROSEN ET AL.
; TITLE OF INVENTION: NUCLEIC ACIDS, PROTEINS, AND ANTIBODIES
; FILE REFERENCE: P212
; CURRENT APPLICATION NUMBER: US/09/760,443
; CURRENT FILING DATE: 2001-01-16
; Prior application data removed - refer to PALM or file wrapper

NUMBER OF SEQ ID NOS: 2164
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 677
LENGTH: 825
TYPE: DNA
ORGANISM: Homo sapiens
NAME/KEY: SITE
LOCATION: (654)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (672)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (822)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (825)
OTHER INFORMATION: n equals a,t,g, or c
US-09-760-443-677

Query Match 79.7%; Score 628.8; DB 30; Length 825;
Best Local Similarity 97.7%; Pred. No. 1e-145;
Matches 677; Conservative 1; Mismatches 11; Indels 4; Gaps 4;

QY 1 tatgacatcggagagagctgaggagctggccagcttgcacatcgtgaagaagtccggag 60
DB 134 tatgacatcggagagagctgaggagctggccagcttgcacatcgtgaagaagtccggag 193
QY 61 aagagacggggcttgagtaagcgaagttcatcaagaagagcgagcgagcgagc 120
DB 194 aagagacggggcttgagtaagcgaagttcatcaagaagagcgagcgagcgagc 252
QY 121 cggcgagctgagcggagagagatcgaagcgagagtgagcaacctcgcgagctg 180
DB 253 cggcgagctgagcggagagagatcgaagcgagagtgagcaacctcgcgagctg 311
QY 181 caacacaatgtcatcagctcgacgaagctatagagaacggacggacggagctgacatc 240
DB 312 caacacaatgtcatcagctcgacgaagctatagagaacggacggacggagctgacatc 371
QY 241 ctgagctagctgtcggagagagctcttcgaatttccttgcggcagaagagagctagct 300
DB 372 ctgagctagctgtcggagagagctcttcgaatttccttgcggcagaagagagctagct 431
QY 301 gagagagagcgacacagctcatcaagcagatccctgagatgggtagaactccttcacaca 360
DB 432 gagagagagcgacacagctcatcaagcagatccctgagatgggtagaactccttcacaca 491
QY 361 aagaaaaatgctcaacttgaatcctcaagcagaacaatcatgttgttagaagaatatt 420
DB 492 aagaaaaatgctcaacttgaatcctcaagcagaacaatcatgttgttagaagaatatt 551
QY 421 cccattccacacatcaagcagctgagcttggctggctgctacagaataa-gaagatggagt 479
DB 552 cccattccacacatcaagcagctgagcttggctggctgctacagaataa-gaagatggagt 611
QY 480 tgaattcaagaataattcttggagcgcgagatctgtgtcctcagaataatttgaactcga 539
DB 612 tgaattcaagaataattcttggagcgcgagatctgtgtcctcagaataatttgaactcga 671
QY 540 gccctctggg-tctggagctgacatgtgagacataaggcgtcatcaactacatcctctaa 598
DB 672 gccctctggg-tctggagctgacatgtgagacataaggcgtcatcaactacatcctctaa 731
QY 599 gtggagacatcccttctccttggagagacgagagagaagaacacgtgggaataataacag 658
DB 732 gtggagacatcccttctccttggagagacgagagagaagaacacgtgggaataataacag 791
QY 659 tgagttacgacttgaatgaagaatcttcagcc 691
DB 792 tgagttacgacttgaatgaagaatcttcagcc 824

RESULT 15
US-09-760-446A-1075
Sequence 1075, Application US/09760446A
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PT268
CURRENT APPLICATION NUMBER: US/09/760,446A
CURRENT FILING DATE: 2000-01-16
PRIOR APPLICATION NUMBER: 60/179,065
PRIOR FILING DATE: 2000-01-31
PRIOR APPLICATION NUMBER: 60/180,628
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: 60/214,886
PRIOR FILING DATE: 2000-06-28
PRIOR APPLICATION NUMBER: 60/217,487
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/225,758
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/220,963
PRIOR FILING DATE: 2000-07-26
PRIOR APPLICATION NUMBER: 60/217,496
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/225,447
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/218,290
PRIOR FILING DATE: 2000-07-14
PRIOR APPLICATION NUMBER: 60/225,757
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/226,868
PRIOR FILING DATE: 2000-08-22
PRIOR APPLICATION NUMBER: 60/216,647
PRIOR FILING DATE: 2000-07-07
PRIOR APPLICATION NUMBER: 60/225,267
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/216,880
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PRIOR APPLICATION NUMBER: 60/241,785
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PRIOR APPLICATION NUMBER: 60/236,368
PRIOR FILING DATE: 2000-09-29

PRIOR APPLICATION NUMBER: 60/251,856
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PRIOR FILING DATE: 2000-09-05
PRIOR APPLICATION NUMBER: 60/231,413
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PRIOR APPLICATION NUMBER: 60/229,509
PRIOR FILING DATE: 2000-09-05
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PRIOR APPLICATION NUMBER: 60/237,039
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/237,038
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/236,370
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: 60/236,802
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/237,037
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/237,040
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/240,960
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/239,935
PRIOR FILING DATE: 2000-10-13
PRIOR APPLICATION NUMBER: 60/239,937
PRIOR FILING DATE: 2000-10-13
PRIOR APPLICATION NUMBER: 60/241,787
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/246,474
PRIOR FILING DATE: 2000-11-08
PRIOR APPLICATION NUMBER: 60/246,532
PRIOR FILING DATE: 2000-11-08
PRIOR APPLICATION NUMBER: 60/249,216
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,210
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/226,681
PRIOR FILING DATE: 2000-08-22
PRIOR APPLICATION NUMBER: 60/225,759
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/225,213
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/227,182
PRIOR FILING DATE: 2000-08-22
PRIOR APPLICATION NUMBER: 60/225,214
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/235,836
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: 60/230,438
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/215,135
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: 60/225,266
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/249,218
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,208
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,213

PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,212
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,207
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,245
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,244
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,217
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,211
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,215
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,264
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,214
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,297
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/232,400
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/231,242
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/232,081
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/232,080
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/231,414
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/231,244
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/233,064
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/233,063
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232,397
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232,399
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232,401
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/241,808
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,826
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,786
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,221
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/246,475
PRIOR FILING DATE: 2000-11-08
PRIOR APPLICATION NUMBER: 60/231,243
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/233,065
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232,398

Query Match 79.7%; Score 628.8; DB 30; Length 825;
Best Local Similarity 97.7%; Pred. No. 1e-145;
Matches 677; Conservative 1; Mismatches 11; Indels 4; Gaps 4;

QY 1 tatgacatcgagaggaactggtgggtggtcgcaagttgcatctgtaagaagtcggtggag 60
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Db 134 tatgacatcgagaggaactggtgggtggtcgcaagttgcatctgtaagaagtcggtggag 193
QY 61 aagagcaagggcttgatgacatcgcaagttcatcaagaagcgagcgagcgagc 120
|||||
Db 194 aagagcaagggcttgatgacatcgcaagttcatcaagaagcgagcgagcgagc 252
QY 121 cggcgcggtgtgagccggaggaagatcgagcgaggtgagcatctcgagcgagtcgtg 180
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